

RGF Series



◆ Features

Load life 2000~4000 hours at 105°C.

Used in electronic equipment whose long life would be required .

◆ Specifications

Items	Characteristics						
Operating temperature range	-40°C~+105°C						
Rated voltage range	6.3V~100V DC						
Nominal capacitance toletanc	15μF~4700μF						
Capacitance toletance	±20% (120Hz 20°C)						
leakage current(20°C)	I≤0.01CV or 3μA(whichever is greater) after 2 minute						
	I: Leakage current C: nominal capacitance V: Rated voltage						
Dissipation factor (120Hz 20°C)	Rated voltage(V)	6.3	10	16	25	35	50-100
	tgδ(MAX)	0.15	0.12	0.10	0.09	0.08	0.07
	When capacitance is more than 1000μF, tgδ will add 0.02 per 1000μF addition.						
Low temperature characteristics (Impedance ratio max. at 120Hz)	Rated voltage(v)	6.3	10	16	25	35	50-100
	Z-25°C/Z+20°C	4	3	2	2	2	2
	Z-40°C/Z+20°C	8	6	4	3	3	3
Load Life	After applying rated for 2000~4000 hours at 105°C then resumed 16 hours:	φD	5~6.3		8~10		≥13
		Load life	2000h		3000 h		4000h
	Capacitance change	Within ±20% of the initial measured value					
	tgδ	≤200% of the initial specified value					
	Leakage current	≤initial specified value					
Shelf Life	After storage for 1000 hours at 105°C then resumed 16 hours:						
	Capacitance change	Within ±20% of the initial measured value					
	tgδ	≤200% of the initial specified value					
	Leakage current	≤initial specified value					

◆ Diagram of Dimensions(mm)

	φD	5	6.3	8	10	13	16	18
	F±0.5	2.0	2.5	3.5	5	5.0	7.5	7.5
	φd±0.05	0.5	0.5	0.5	0.6	0.6	0.8	0.8
	α	1.0		1.5		2.0		